

**Agency: Commerce, Community and Economic Development****Grants to Named Recipients (AS 37.05.316)****Grant Recipient: Alaska Center for Space Science Education Federal Tax ID: 92-1761906****Project Title:**

# Alaska Center for Space Science Education - One Stop Safety and Survival Training

**State Funding Requested: \$ 150,000****House District: 33 - Q**

One-Time Need

**Brief Project Description:**

One Stop Safety and Survival Training

**Funding Plan:****Total Cost of Project: \$350,000**

	<u>Funding Secured</u>		<u>Other Pending Requests</u>		<u>Anticipated Future Need</u>	
	<i>Amount</i>	<i>FY</i>	<i>Amount</i>	<i>FY</i>	<i>Amount</i>	<i>FY</i>
Other			\$200,000			
Total			\$200,000			

*Explanation of Other Funds:*

Contingency language needs to be incorporated stating that this appropriation is contingent upon a match of \$200,000 from the City of Kenai and/or the Kenai Peninsula Borough that is required to initiate this project.

**Detailed Project Description and Justification:**

A memorandum of understanding between MAPTS, the State Division of Fire and Life Safety, the Kenai Peninsula Borough, the City of Kenai, Beacon Occupational Health and Safety Service, Inc. and the Challenger Learning Center was signed to form a consortium for "One Stop" safety and survival training based in the Kenai/Soldotna/Nikiski area.

The funding request is for the initial start up and implementation of a computer based system that would allow any company to call one location and request all their training in the central Kenai Peninsula. The funds would be used to purchase a high-speed connectivity communications and computer system, develop a central website, purchase network software, to initially pay for startup administrative personnel, for an onsite examination of the Shell Roberts Training facility in Louisiana and to implement and expand the cold water training on the Kenai.

**Project Timeline:**

Begin implementation and purchases upon grant approval.

**Entity Responsible for the Ongoing Operation and Maintenance of this Project:**

Challenger Learning Center of Alaska

**Grant Recipient Contact Information:**

Contact Name:Larry Porter, President

Phone Number:283-2000

Address:9711 Kenai Spur Highway, Kenai, AK 99611

Email:

Has this project been through a public review process at the local level and is it a community priority? ☒ Yes ☐ No

**TED AND CATHERINE STEVENS  
CENTER FOR SCIENCE AND  
TECHNOLOGY EDUCATION**

92 1761906

January 19, 2008

Representative Mike Chenault  
State Capitol, Room 505  
Juneau, AK 99801-1182



Dear Representative Chenault,

Attached is the Memorandum of Understanding between MAPTS, State Division of Fire and Life Safety, the Kenai Peninsula Borough, The City of Kenai, Beacon Occupational Health and Safety Service Inc., Kenai Landing, Survival Systems USA Inc. and the Challenger Learning Center of Alaska to form a consortium for "One Stop" safety and survival training based in the Kenai/Soldotna/Nikiski area. As word is getting out the and other companies hear about the consortium they are contacting us to to become a part of this venture.

The consortium is requesting a \$350,000 legislative grant to fund the initial start up and implementation of a computer based system that would allow any company to call one location and request all their training in the Central Kenai Peninsula. The funds would be used to purchase a high-speed connectivity communications and computer system, develop a central website, purchase network software, to initially pay for startup administrative personnel, for a onsite examination of the Shell Roberts Training facility in Louisiana (the model for the Alaska program), and to implement and expand the cold water survival training on the Kenai.

As you know Shell installed a helicopter underwater evacuation trainer (HUET), operated by Survival Systems USA Inc., in the Kenai Central High School in May 2007. Shell used this facility all summer and intends to use it again this year. During discussions with Rick Fox Shell's Alaskan President the conversation turned to expanding the training capabilities in the Kenai area for all industries to utilize and thus the formation of this consortium.

This system would benefit every industry in the state once implemented - virtually any safety training requirement would be available right here on the Kenai. As we discussed in our meeting we request your support for this endeavor. Thank you for your consideration.

Best regards,

Larry Porter  
President & CEO

The following program participants, through their respective representatives, hereby agree to support the initiatives and funding request described above.

[Signature] CEO Date 9 Jan. 08  
Challenger Learning Center

[Signature] Date 1/8/07  
M.A.P.P.S.

[Signature] Date 1/8/08  
Division of Fire and Life Safety

[Signature] Date 1-7-08  
Kenai Landing, Inc.

[Signature] Date 1/18/08  
City of Kenai

[Signature] Date 01/09/08  
BEACON original on file

[Signature] Mayor Date 1-09-08  
Kenai Peninsula Borough

[Signature] Date 1/9/08  
Survival Systems USA, Inc.

**Memorandum of Understanding**  
**Between**  
**M.A.P.T.S., State - Division of Fire and Life Safety, Kenai Peninsula Borough,**  
**Kenai Landing Inc., City of Kenai, Beacon, and the Challenger Learning Center**

Whereas; the city of Kenai and the Kenai area is recognized as a leading venue for safety training and workforce development programs, and:

Whereas, the parties to this agreement seek to enhance the Kenai area's reputation and its competitive position as a center for advanced safety training, and:

Whereas; the parties to this agreement wish to coordinate their efforts in order to maximize revenue and growth opportunities for Kenai and the Kenai area, and

Whereas; the parties to this agreement do not seek to limit competition or opportunities for any business now or in the future, and

Whereas; to prepare Alaska's workforce for the future, the state of Alaska should encourage investment in Alaskan-based workforce development and safety training programs, and

Whereas, the parties to this agreement wish to maintain full discretion, authority and control over the delivery of their respective program offerings, both existing and in the future.

Therefore, the parties to this agreement resolve to support a one-time appropriation from Alaska's Legislature in an amount not to exceed \$350,000, for the purpose of strengthening a public-private network of safety and survival training programs in the Kenai area, and to secure immediate business opportunities that demand greater levels of coordination among network participants.

**Proposed Use of Funds (Preliminary)**

- 1) Create central website listing all qualified program offerings by Vender: schedules; course descriptions and fees; course instructors; options for meeting space, training facilities and Lodging alternatives.
- 2) Acquire software to track availability of course-offerings and training and support facilities that allows program participants to maintain control over file content.
- 3) Create high-speed fiber-optic network which links program participants.
- 4) Fund site visit to Roberts Training facility in Louisiana—specifically to assist program participants in implementing an effective public-private network.
- 5) Fund implementation of Alaska Marine Safety Education Association programs via a Kenai chapter, with emphasis on cold-water safety and survival training.

## **Partial Inventory of Safety and Survival Training Programs in Kenai Area**

Health & Safety (Petrochemicals)  
Basic Life Support (continuing Medical Education)  
EMT 1  
First Aid / CPR and AED with PEDS  
HAZWOPER (Cook Inlet Training Standards)  
Firefighter 1 & 2 (aircraft Rescue Fire Fighting)  
Industrial Fire Fighting  
Emergency Trauma Technician

Survival Training Simulation  
Modular Egress Training Simulator (METS)  
Shallow Water Egress Training (SWET)  
Shallow Water Initial Memory Mechanical Exit Release (Swimmer)  
Introduction to the Petroleum Industry  
Cold Water Survival, Emergency Preparedness  
Open Water Rescue  
Fast Rescue Craft & Rigid Inflatable Boat Training and Escape Simulation  
Marine Communications / Distress Signalling  
Basic Boater safety

First Aid / CPR  
Blood borne Pathogens  
ETT & ETT Refresher  
EMT I, II, and III; EMT Refresher  
Hazard Communication  
Forklift Safety  
Fire Safety  
Incident Management System  
Airport Security Coordinator  
Confined Space Rescue  
Confined Space Entry (Permit/Non Permit)  
Emergency Response to Terrorism Operations  
Emergency Response to Terrorism Awareness  
HAZMAT First Responder Awareness Level, Operations Level, Technician Level, Incident Command Level  
Drug and Alcohol Signs and Symptoms  
HAZWOPER 24-hr, 40-hr, 8-hr (refresher)

### **BASIC HAZARDOUS WASTE OPERATIONS**

Individuals whose work may take them into contact with areas involving or containing hazardous waste materials or who may respond to hazardous materials spills or incidents.

#### HAZWOPER LEVEL III TECHNICIAN

Individuals whose work requires their presence at sites involving or containing hazardous waste materials.

#### HAZWOPER SUPERVISOR TRAINING

Mandatory training for supervisors at hazardous waste operations; supervisors involved in direct supervision of personnel onsite at hazardous waste operations must have completed the 40-hour basic and the 24-hour course to be qualified to supervise.

#### HAZWOPER ANNUAL REFRESHER

Meets the annual re-certification requirement for Hazardous Waste workers and supervisors.

#### EMERGENCY RESPONSE TO HAZARDOUS MATERIALS INCIDENTS

Oriented to public safety officials who might be expected to respond to an emergency situation involving public or environmental safety and health.

#### FIELD INSTRUMENTATION

Fundamental instruction in the calibration, use, and maintenance of instrumentation.

#### ENTRY TO CONFINED SPACES

Meets the requirement of the State of Alaska Department of Labor Petroleum Code as well as 29 CFR 1910.146 Final Rule. Includes entry authorization and supervision, dealing with unauthorized personnel, inside and outside rescue teams, required entry permits, attendants, minor maintenance work, entry into certain diked areas, respiratory protection and respiratory fit-test, personal protective clothing and equipment, gas detection and monitoring, ventilation, first aid considerations, and work and isolation techniques for vessels.

#### FORKLIFT SAFETY

#### HAZARDOUS COMMUNICATION

Mandatory training requirements for hazard communication in the workplace.

#### HAZARDOUS PAINTING CERTIFICATION

Mandatory State Department of Labor certification training for painters and supervisors using hazardous painting materials as well as painters falling into certain DOL mandated categories.

#### HAZARDOUS PAINTING RE-CERTIFICATION

Designed to re-train and re-certify painters under AS 18.63.010.-100. A review of changes in state and/or federal regulations, painting practices, procedures, personal protection, and engineering controls will be discussed.

#### HYDROGEN SULFIDE SAFETY & RESPONSE

Covers the physical and chemical aspects of Hydrogen Sulfide, toxicity of Hydrogen Sulfide and Sulfur Dioxide, respiratory protection and respiratory fit-testing, gas detection and monitoring, first aid and Hydrogen Sulfide rescue, warnings, signals, safe-briefing (assembly) areas, and procedures during Hydrogen Sulfide release.

#### INDUSTRIAL TOXICOLOGY

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Intended for health and safety professionals, supervisors, governmental authorities, and others with an interest in industrial aspects of toxicology in the workplace.

#### JOB SAFETY ANALYSIS

Introduces the use of the Job Safety Analysis Procedure (JSA) for supervisors and safety professionals.

#### RESPIRATORY PROTECTION

Intended for those responsible for respiratory protection programs.

#### RESPIRATORY FIT-TESTING

Discussion of protection factors and their measurement, field fit-testing.

#### RIG ORIENTATION

Meets the needs of oil and gas drilling employees, supervisors and related employees. Specific aspects of health and safety are covered such as hydrogen sulfide safety training, hazard communication, respiratory protection, entry to confined space, fire prevention and suppression, materials handling, vessel isolation, first aid, back injuries, lockout-tagout, noise, eye and face protection, spill prevention, and other aspects of drilling safety.

#### INCIPENT STAGE

Introduction to flammable liquid fire suppression techniques as well as a refresher for more experienced employees.

#### FIRE BRIGADE TEAM MEMBER

Firefighting appliances including 20 pound and 350 pound dry chemical units, one and a half and two and a half hose lines, monitors, firefighting foam, and CO2 and Halon extinguishers on a variety of flammable liquid fires.

#### FIRE BRIGADE INSTRUCTOR

This program leads to examination and certification as an Industrial Fire Brigade Instructor.

#### FIRE WATCH

Fire Watch: (Hot Work, Welding, Cutting and Brazing)

Fire watch is responsible for preparing the workplace for hot work, maintaining guard for incipient fires during the work, safely operating the fire extinguisher in case of need and monitoring the workplace after the hot work is suspended to insure against fires arising from the hot work.

#### MAN WATCH

Attendant is responsible for monitoring the condition of the workplace and the constant monitoring of the entrants during any ECS work. The Attendant conducts gas monitoring, ventilation, and communicates constantly with the persons working inside the space. This training emphasizes the importance and gravity of the Attendant's role during ECS work.

#### DRILLING AND BLASTING

This course is intended for inexperienced prospective underground and surface miners.

#### NEWLY EMPLOYED, INEXPERIENCE UNDERGROUND MINER

MAPTS offers the initial 32 hours of the underground program.

#### NEWLY EMPLOYED, INEXPERIENCE SURFACE MINER

The initial 16 hours of the 24 hour surface program is offered under a training plan approved by MSHA



### FIRST AID TRAINING

This MSHA approved first aid course prepares the miner to deal with first responder type injuries.

### MSHA COOPERATIVE INSTRUCTOR TRAINING

Designed to acquaint the student with the MSHA Part 48 training requirements.

### TRAIN THE TRAINER

As a division of UAA's College of Career and Vocational Education, MAPTS has a wealth of adult training experience with instructors averaging over 20 years of experience.

### MSHA MINE ELECTRICITY REVIEW

Reviews MSHA electrical regulations as they apply to surface and underground metal and non-metal mines.

### MSHA MINE VENTILATION

Covers the principles and practices, reviews ventilation requirements, basic design of ventilation schemes, and measurement of ventilation parameters.

### NIPPER TRAINING

The four-week program provides instruction on; - working safely underground – understanding the language of the underground – maintaining your personal gear – “How to Read the Ground”, bar down and bolt up – operate a jackleg drill – “Get out a round” and the mining cycle – operate an underground loader – hang pipe and work underground utilities – operate and overshot mucking machine – and frill blast holes.

### MINE UTILITY WORKER TRAINING

Five (5) week course is intended for students wishing to begin work at an under-ground metal/non-metal mine.

### FUNDAMENTALS OF OIL SPILL RESPONSE

This course is designed to provide an effective understanding of oil spill response.

### OIL SPILL RESPONSE FOR SUPERVISORS

Designed to assist the supervisor in understanding contingency plans, organizing response elements and teams, conduction spill drills, notification requirements, record keeping and reporting, spill recovery and containment equipment options.

### OIL SPILL CONTAINMENT AND RECOVERY

A hands-on course designed to train personnel in the containment and recovery of small to medium spills with available materials and equipment.

### OIL SPILL RESPONSE TECHNOLOGY

Designed for those who supervise oil spill response operations or have a need for more and in-depth training.

### MARINE OIL SPILL RESPONSE

Devoted exclusively to spill response in a marine environment including shorelines.

### OIL SPILL RESPONSE TO LAND-BASED SPILLS

Devoted exclusively to spill response to land-base spills of petroleum products.

### OIL SPILL RESPONSE IN AN ICE ENVIRONMENT

This class assumes an adequate background in spill response in other environments.

#### HELICOPTER ABANDONMENT AND DITCHING SURVIVAL

This course is intended for persons who use helicopter transportation, particularly over water. Covers general helicopter safe operating rules, personal flotation and protective devices, helicopter abandonment, life rafts, survival coats and suits, helicopter rescue baskets, hoisting procedures, general seamanship, and land and sea survival practices.

#### BEAR AVOIDANCE AND FIREARMS HANDLING

For personnel that will be working in areas where the possibility of bear attack exists.

#### ALASKA OUTDOOR SURVIVAL

The course is designed to cover work related as well as recreational outdoor safety and survival under Alaskan climatic conditions.

#### ARCTIC LAND-BASED SURVIVAL

For personnel who will be working or traveling in Arctic regions. The course can be structured on an 8/16/24/40-hour basis depending upon client needs and expectations. Covers such basics as food and shelter, wildlife, navigation, signaling, and communication, fire building, survival preparation, clothing, and first aid.